USS McINERNEY (FFG-8)

SEMAT HULL AND SUPPORTING STRUCTURE SURVEY

9/13/02-9/18/02



PREPARED BY
SUPERVISOR OF SHIPBUILDING
CONVERSION AND REPAIR
PORTSMOUTH VIRGINIA







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> 17 September 2002 Serial # 1697BJ 070

Q.E.D. Systems, Inc. was tasked by the Supervisor of Shipbuilding Conversion and Repair, USN (SPORT) Portsmouth, VA to conduct an Ultrasonic Thickness (U/T) Survey of specific locations on board USS MCINERNEY (FFG-8) during the period of 14 TO 18 SEPTEMBER 2002.

The survey was conducted by;

Francis J. (FRANK) LaRock Certified Level II, 09 March 2001

Francis J. (Joe) LaRock Certified Level II, 21 December 2001

The instrument used was a Krautkramer Branson, Model DMS-2TC.

Serial Number: 00N3V8

Calibration Date: 22 February 2002

Probes Used: TC 560

FH 2 E KBA 525

I have reviewed the results of the survey and approved of the findings. The discrepancies have been recorded on MAF's and are included in this report.

Francis J. LaRock

USS McINERNEY (FFG-8)

HULL AND SUPPORTING STRUCTURE SURVEY

TABLE OF CONTENTS

		PAGE NUMBER
	SUMMARY	4
>	SURVEY RESULTS	5
>	LAUNDRY (4-140-0-E)	7
>	FORWARD EDUCTOR ROOM (5-51-0-Q)	12
>	MAIN ENGINE ROOM (5-250-0-E)	16
	AUXILIARY MACHINERY ROOM 2 (5-212-0-E)	22
>	AUXILIARY MACHINERY ROOM 1 (5-180-0-E)	29
>	SONAR COOLING EQUIPMENT ROOM (4-48-1-Q)	31
>	A/C MACHINERY ROOM (3-84-0-E)	35
>	CLEANING GEAR LOCKER (3-140-1-L)	37
	(FFG-7) STRUCTURAL ASSESSMENT MATRIX	38

USS MCINERNEY (FFG-8) SEMAT HULL AND SUPPORTING STRUCTURE SURVEY

A SPECIAL SEMAT VISIT WAS HELD ONBOARD **USS MCINERNEY (FFG-8)** FROM 13 TO 18 SEPTEMBER 2002 AT NAVAL STATION MAYPORT, FLORIDA.

THE MOST CRITICAL AREA NOTED WAS THE DETERIORATED MARGIN PLATE IN THE LAUNDRY. ALL CRITICAL INSPECTION AREAS WERE TESTED USING ULTRA-SONIC THICKNESS GUAGING. THE FOLLOWING PICTURE PAGES, DRAWINGS AND MATERIAL ASSESSMENT FORMS ARE THE RESULTS OF THIS SURVEY.

PERMANENT REMOVAL OF HULL INSULATION IN THE MACHINERY SPACES, THE EDUCTOR ROOM AND THE SONAR COOLING EQUIPMENT ROOM WOULD REDUCE CORROSION SIGNIFICANTLY.

USS McINERNEY (FFG-8) HULL AND SUPPORTING STRUCTURE SURVEY UNSATISFACTORY AREAS

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5-180-0-E AMR 1 JSN-P229 4-48-1-Q SONAR COOLING EQUIPMENT ROOM JSN-P074 3-84-0-E A/C MACHINERY ROOM JSN-P075 4-140-1-L CLEANING GEAR LOCKER PORT SIDE AT BHD 180 STRINGER NO. 6 PORT SIDE AT BHD 180 STRINGER NO. 6 DETERIORATED INTERCOSTALS SATURATED INSULATION SATURATED INSULATION, CORROSION SATURATED INSULATION, CORROSION SATURATED INSULATION, CORROSION	JSN-P073	FRAMES 212-228 FROM	WET INSULATION
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SATURATED INSULATION 3-84-0-E A/C MACHINERY ROOM JSN-P075 PLANT BETWEEN FRAMES 92&100 FROM DECK UP APPROX. 4FT. 4-140-1-L CLEANING GEAR LOCKER SATURATED INSULATION, CORROSION SATURATED INSULATION, CORROSION CORROSION SATURATED INSULATION, CORROSION CORROSION	4-48-1-Q SONAR	ENTIRE SHELL	DETERIORATED
3-84-0-E A/C MACHINERY ROOM JSN-P075 PLANT BETWEEN FRAMES 92&100 FR0M DECK UP APPROX. 4FT. 4-140-1-L CLEANING GEAR LOCKER SATURATED INSULATION, CORROSION SATURATED INSULATION, CORROSION CORROSION	COOLING		INTERCOSTALS
3-84-0-E A/C MACHINERY ROOM JSN-P075 PLANT BETWEEN FRAMES 92&100 FROM DECK UP APPROX. 4FT. 4-140-1-L CLEANING GEAR LOCKER SATURATED INSULATION, CORROSION SATURATED INSULATION, CORROSION CORROSION	EQUIPMENT ROOM		SATURATED INSULATION
MACHINERY ROOM JSN-P075 FROM DECK UP APPROX. 4FT. 4-140-1-L CLEANING GEAR LOCKER CORROSION CORROSION SATURATED INSULATION, CORROSION	JSN-P074		
JSN-P075 FR0M DECK UP APPROX. 4FT. 4-140-1-L SHELL FROM DECK UP APPROX. CLEANING GEAR LOCKER SATURATED INSULATION, CORROSION	3-84-0-E A/C	PORT SIDE OUTBOARD OF A/C	SATURATED INSULATION,
4-140-1-L SHELL FROM DECK UP APPROX. CORROSION SATURATED INSULATION, CORROSION	MACHINERY ROOM	PLANT BETWEEN FRAMES 92&100	CORROSION
CLEANING GEAR LOCKER CORROSION	JSN-P075	FR0M DECK UP APPROX. 4FT.	
CLEANING GEAR LOCKER CORROSION	4-140-1-L	SHELL FROM DECK UP APPROX.	SATURATED INSULATION,
	CLEANING GEAR	3FT.	CORROSION
JSN-P230	LOCKER		
	JSN-P230		

USS McINERNEY (FFG-8) SATISFACTORY AREAS

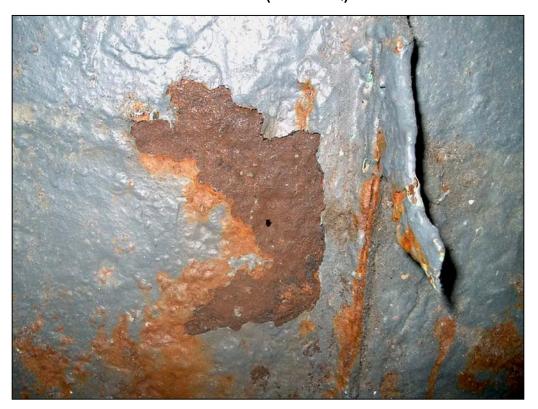
LOCATION	SPACE DESIGNATION	MCA SUBMITTED
3-32-1-K	FLAMMABLE STORAGE LOCKER	YES
3-36-2-T	ESCAPE TRUNK	YES
3-40-2-A	CPO STOREROOM	YES
3-46-1-A	SPECIAL CLOTHING STOREROOM	YES
3-48-2-A	MEDICAL STOREROOM NO.1	YES
3-53-2-A	GAUGE CAL LAB	YES
3-56-1-A	DECK GEAR STOREROOM	YES
3-100-0-L	CREW BERTHING	YES
3-100-1-L	CREW LOUNGE	YES
3-113-1-L	SANITARY SPACE	YES
3-144-0-L	CREW BERTHING	YES
3-144-2-L	FIRST CLASS BERTHING	YES
3-154-1-Q	PIPING SPACE	YES
3-156-2-Q	PIPING SPACE	YES
3-180-2-C	SWITCH GEAR ROOM	YES
3-180-5-A	DRY PROVISIONS STOREROOM	YES
3-196-2-A	SHIPS STORES STOREROOM	YES
3-328-0-A	SUPPLY STOREROOM	YES
4-32-0-Q	SONAR EQUIPMENT ROOM	YES
4-48-2-L	PASSAGE WAY	YES
4-56-0-M	SMALL ARMS MAGAZINE	YES
4-56-2-A	STOREROOM	YES
4-64-0-M	MAGAZINE	YES
4-100-0-E	APU MACH ROOM	YES
4-140-3-A	LAUNDRY STOREROOM 1	YES
4-151-3-A	CLEANING GEAR LOCKER	YES
4-152-1-A	CHEMICAL DEFENSE EQUIPMENT STOREROOM	YES
4-172-1-E	FIRE PUMP ROOM	YES
5-292-0-E	AUXILIARY MACHINERY ROOM 3	YES
5-368-0-E	STEERING GEAR ROOM	YES
5-376-1-A	STOREROOM	YES

FFG-8 STRUCTURAL INSPECTION RESULTS UNASSESSABLE AREAS.

LOCATION	I AREA	RE	SULT	rs
3-20-0-Q	CHAIN LOCKER	UNASSESSABLE/REQUIRES	GAS	FREE
3-64-2-V	VOID	UNASSESSABLE/REQUIRES	GAS	FREE
3-64-1-V	VOID	UNASSESSABLE/REQUIRES	GAS	FREE
3-236-1-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
3-236-2-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
3-240-1-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
3-240-2-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
3-272-1-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
3-272-2-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
3-278-1-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
3-278-2-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
3-286-1-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
3-286-2-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
3-292-8-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
3-316-1-J	JP5 FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
3-322-1-J	JP5 FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
4-H-0-V	VOID	UNASSESSABLE/REQUIRES	GAS	FREE
4-27-0-V	VOID	UNASSESSABLE/REQUIRES	GAS	FREE
5-FF-0-V	VOID	UNASSESSABLE/REQUIRES	GAS	FREE
5-32-0-W	SALT WATER TANK	UNASSESSABLE/REQUIRES	GAS	FREE
5-56-0-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
5-64-0-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
5-84-1-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
5-84-2-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
5-100-3-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
5-100-4-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
5-116-1-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
5-116-2-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
5½-116-0-V	VOID	UNASSESSABLE/REQUIRES	GAS	FREE
5-132-0-F	CONTAMINATED OIL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
5-137-1-Т	UNDERWATER LOG TANK	UNASSESSABLE/REQUIRES	GAS	FREE
5-140-1-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
5-140-2-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
5-164-0-F	CONTAMINATED OIL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
5-164-1-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE
5-164-2-F	FUEL TANK	UNASSESSABLE/REQUIRES	GAS	FREE

ITEM NUMBER								j	US	USS MCINERNEY (FFG-8)			
SYSTEM SHELL & SUPPO	RTING	STRUCTU		swbs 11011	EIG	c A1	00	APL		SO MONTENTAL (RIN	,	
EQUIPMENT NAME HULL STRUCTUR				IDENT/SERIAL	NI/A	711	LOCAT			RK CENTER	JSN		
EQUIPMENT STATUS	<u>.</u>		PROBLEM	STATUS	N/A			4-140-0-Q	CATEGOR	EM02		EOC	
1. SAT - SATISFACTO 2. UNSAT - UNSATISFAC 3. TNA - TEST NOT A 4. TNC - TEST NOT C 5. NOB - EQUIPMENT	TORY TTEMPTED OMPLETED)	2. A 3. T 4.S	C - CORRECTED 1 - AWAITING PARTS 2 - AWAITING TECH ASS 3 - SHIP'S FORCE ICORRECTED PROBLE			RSONNEL SAFE JIPMENT SAFE RDWARE		4. D - DOWN 5. L - LIMITED				
TYPEAVAILABILITY	١	WHEN TO BE		STATUS	WIG	CAUSE				DEFERRAL REASON			
2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 1. OPERATIONAL					2. MANFA 3. LACK (4. COMMI 5. INADE(6. INADE(7.NORMA	OF KNOWLEDG JNICATION PR QUATE INSTRU QUATE DESIGI L WEAR AND PPLICABLE	ALLATION DEFE E OBLEMS JCTION/PROCEI N		LACK OF MATERIAL NO FORMAL TRAINING ON: FORMAL TRAINING INADEC EQUIPMENT INADEQUATE SCHOOL PRA LACK OF FACILITIES/CAP TO AUTHORIZED FOR SF FOR SF OVERHAUL OR AV. LIST	NO FORMAL TRAINING ON THIS EQUIPMENT FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT IN THIS EQUIPMENT IN THIS EQUIPMENT IN THIS EQUIPMENT IN THE EXEMPTION OF THE		
MAN HRS EXPENDED 20		MAN HRS		<u>-</u>	COMPLET	ED ACTION	TAKEN		S/F	MANHOURS	PRI	ORITY	
SAFETY HAZARD: 1. SERIOUS - CORRECT 2. SERIOUS - SUSPENS 3. SERIOUS - WAIVER O 4. SAFETY ITEM - MINOI 5. COMBUSTIBLE MATE	UIPMENT/SYS		-	2. MAINTE 3. MAINTE 4. CANCEL 7. MAINTE	NANCE ACT NANCE ACT LLED - DEFE NANCE ACT	ION COMPLET ION COMPLET RRAL WILL BE ION COMPLET	ED: PARTS DRA ED: REQUIRED ED: NO PARTS I REMOVED FRO ED: 3-M CAPABI IN REMARKS/DE	PARTS NOT DE REQUIRED OM CSMP ILITY UTILIZED	AWN FROM SUPPLY	2. E 3. H D	NDATORY SSENTIAL IIGHLY IESIRABLE IESIRABLE		
DISCREPANCY	DESC	RIPTION	: PER SE	MAT UNDERW	ATER H	HULL AS	SESSME	NT: LAUN	DRY(4-14	10-0-Q) AND LAUNDR	Y		
STOREROOM (4-140-2	2-A) MAR	GIN PLA	TE IS HOLED A	AND SE	VERELY	DETERIO	ORATED (1	TANK SIDI	E 5-140-2-F)			
DECOMMENDE	D DED	AIDC: DE		CAC EDEE AND	D OL EAR	NI TANIIZ	/F 440 0	E) CDOD	OUT AND	INICEDE A 41V 71 DIEC		F0 00	
							•			INSERT A 1'X 7' PIEC X 16 LFTOTAL. PERF			
ON TANK.PRIM							_ 140 10	I IVAIVIL I	.AI I IXC	DX 10 LI TOTAL.T LIVI	OTAW IV	וטו	
				to Bio i di tole	DT INE.	711110.							
SSPORT C221	POC:	A.DAVIS	(757-39	6-4001) EXT(21	30) TPC	OC:							
CSMP SUMMA	RY: MA	RGIN PL	ATE IS F	OLED AND SE	VERELY	Y DETER	RIORATEI)		TEST# MRC 1102/1			
ROOT CAUSE/A	AMPLIF	FICATION	1 :							STEP# 1 THRU 5			
SYSTEM LEVE	IMPA	CT:					-						
PART NO.	-			NOMENCLATI	JRE			QTY	NSN			COST	
1													
2													
3													
4													
5													
6									+				
FIRST CONTAC SAVAG		LT/	RATE CHENG	SECONI P		ACT NGINEER	₹	RATE	PHONE				
ASSESSOR / A			SYSTEM	S INC (757) 490)-5047		TD	TL	LOG	ISTICIAN		TSP	

USS MCINERNEY (FFG-8) LAUNDRY (4-140-0-Q)



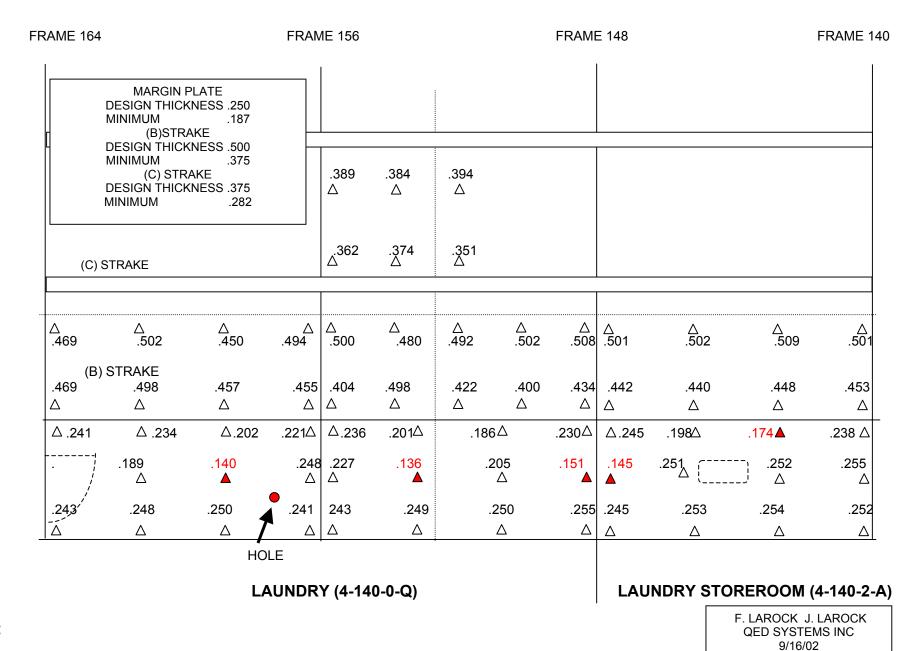
HOLE IN THE MARGIN PLATE (TANK SIDE 5-140-2-F) APPROXIMATELY 1FT AFT OF FRAME I56.U/T READINGS REVEALED THE MARGIN PLATE IS THINNED BELOW THE 25% WASTAGE ALLOWANCE FROM FRAMES 148 TO 160.



USS MCINERNEY (FFG-8) LAUNDRY (4-140-0-Q)



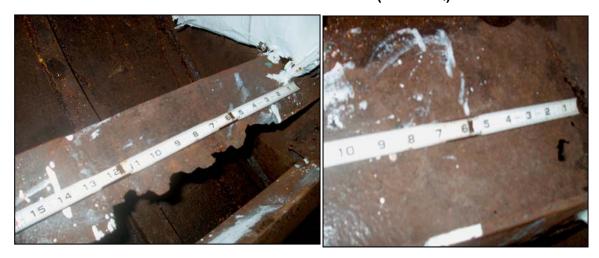
CORROSION ON THE SHELL AT FRAME 156. INSULATION IS HIDING CORROSION.



SHELL & SUPPORTING STRUCTURE 11011 A100	G-8) 79 TGT ISN P227 EOC
SHELL & SUPPORTING STRUCTURE EQUIPMENT NAME HULL STRUCTURE EQUIPMENT STATUS PROBLEM STATUS 1. C - CORRECTED 2. UNSAT - UNSATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD WORK CENTER LOCATION WORK CENTER J. C - CATEGORY 1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. THAN ANALYSIS FORCE 4. S - SHIP'S FORCE 4. S - SHIP'S FORCE 5. NOB - EQUIPMENT NOT ONBOARD WHEN TO BE STATUS LOCATION WORK CENTER J. S - PERSONNEL SAFETY 3. H - HARDWARE 1. S - PERSONNEL SAFETY 3. H - HARDWARE 1. S - PERSONNEL SAFETY 3. H - HARDWARE 3. THAN ANALYSIS FORCE 4. S - SHIP'S FORCE 5. NOB - EQUIPMENT NOT ONBOARD WHEN TO BE STATUS CAUSE DEFERRAL REASON	79 TGT ISN P227
HULL STRUCTURE	P227
CATEGORY	
1. SAT - SATISFACTORY 1. C - CORRECTED 1. S - PERSONNEL SAFETY 4. D - DOWN	EOC
2. ÜNSAT - ÜNSATISFACTÖRY 2. Ä - AWÄITING PARTS 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD WHEN TO BE STATUS 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE "UNCORRECTED PROBLEMS TATUS CAUSE DEFERRAL REASON	
WHEN TO BE STATUS CAUSE DEFERRAL REASON	
1. DEPOT 1. IMMEDIATELY 1. OPERATIONAL 1. ABNORMAL ENVIRONMENT 1. S/F BACKLOG/OPERATIONAL PRIOR	A CONTRACTOR OF THE CONTRACTOR
1. DEPOT 1. IMMEDIATELY 1. OPERATIONAL 1. ABNORMAL ENVIRONMENT 2. MANFACTURER/RINSTALLATION DEFECTS 2. MANFACTURER/RINSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 3. TECH ASSIST 3. PRIOR TO NEXT DEPLOYMENT 4. SHIP'S FORCE 1. ABRORMAL ENVIRONMENT 2. MANFACTURER/RINSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 6. LACK OF FACILITIES/CAPABILITIES 6. INADEQUATE SCHOOL PRACTICAL 1. SUPPLY OF THE CONTROL OF THE C	JIPMENT THIS
5. SFWL AVAILABILITY 4. DURING POST DEPLOYMENT AVAILABILITY 7. NOT AUTHORIZED FOR S/F ACCOMM 8. FOR S/F OVERHAUL OR AVAILABILITY 1 2 7 8. FOR S/F OVERHAUL OR AVAILABILITY 9. LACK OF TECHNICAL DOCUMENTAT	TY WORK
0. OTHER OR NOT APPLICABLE	7
	PRIORITY
4 300	
1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM/SPACE REQUIRED 4. SAFETY ITEM - MINOR 5. COMBUSTBILE MATERIAL 5. COMBUSTBILE MATERIAL 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION 6. SERIOUS - CONTROL OF A CON	I. MANDATORY 2. ESSENTIAL B. HIGHLY DESIRABLE I. DESIRABLE
DISCREPANCY DESCRIPTION: PER SEMAT UNDERWATER HULL ASSESSMENT: FWD EDUCTOR ROOM 5-51-0-Q	
STRINGERS 1& 2 STBD AND STRINGER 2 PORT ARE DETERIORATED	
RECOMMENDED REPAIRS: REPAIR ACTIVITY CUT OUT STRINGERS FROM 6" FWD OF BHD 51 TO 6" AFT OF BHD 56, REPLA	ACF WITH
10X 4 T BEAMS APPROX 16 LFT.	
SSPORT C221 POC: A.DAVIS (757-396-4001 EXT) TPOC:	
CSMP SUMMARY: DETERIORATED STRINGERS TEST# MRC 1102/1	
ROOT CAUSE/AMPLIFICATION: STEP#	
H1 1 THRU 5	
SYSTEM LEVEL IMPACT:	
PART NO. NOMENCLATURE QTY NSN	COST
2	
3	
	<u> </u>
4	
5	
FIRST CONTACT RATE SECOND CONTACT RATE PHONE SAVAGE LT/ CHENG PORT ENGINEER	

ITEM NUMBER								Г		SHIP		
SYSTEM				ESWBS	1.0	EIC		APL		ISS MCINERNE	/ (FFG	
SHELL & SUPPO	RTING ST	RUCTU		11011		A10						79 TGT
EQUIPMENT NAME HULL STRUCTUR	RE			IDENT/SERIAL	N/A		LOCATI	on 5-51-0-Q	WOF	RK CENTER EM02	JS	in P228
EQUIPMENT STATUS			PROBLE	M STATUS					CATEGORY			EOC
1. SAT - SATISFACTO 2. UNSAT - UNSATISFAC 3. TNA - TEST NOT AT 4. TNC - TEST NOT CO 5. NOB - EQUIPMENT	TORY TTEMPTED OMPLETED	PD.	2. 3. 4.	C - CORRECTED A - AWAITING PARTS T - AWAITING TECH AS S - SHIP'S FORCE INCORRECTED PROBLE			ONNEL SAFE PMENT SAFET DWARE			4. D - DOWN 5. L - LIMITED		
	WH	EN TO BE		STATUS	LIVIO	CAUSE				DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 4	IMA 2. PRIOR TO NEXT UNDERWAY 2. NON-OPERA TECH ASSIST 3. PRIOR TO NEXT DEPLOYMENT 3. REDUCED C. TECH ASSIST DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 0. NOT APPLICATION OF THE PRIOR OF THE PRIOR OF THE PRIOR OF T						KNOWLEDGE NICATION PRO	LLATION DEFECT BBLEMS CTION/PROCEDI		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMEN' 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING ILACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHME 8. FOR S/F OVERHAUL OR AVAILABILITY WOR LIST 9. LACK OF TECHNICAL DOCUMENTATION		
MAN HRS EXPENDED	<u> </u>	MAN HRS I	REMAINING		COMPLE	TED ACTION TA	AKEN		S/F I	0. OTHER OR NOT APPLICATION OF THE CONTROL OF THE C	BLE	RIORITY
2			20									
SAFETY HAZARD: 1. SERIOUS - CORRECT 2. SERIOUS - SUSPENSI 3. SERIOUS - WAIVER O 4. SAFETY ITEM - MINOF 5. COMBUSTIBLE MATE	ION OF EQUI OF EQUIPMEN R	PMENT/SYS	TEM/SPACE	E REQUIRED	2. MAINT 3. MAINT 4. CANCI 7. MAINT	ENANCE ACTIO ENANCE ACTIO ENANCE ACTIO ELLED - DEFERI ENANCE ACTIO OF THE ABOVE	ON COMPLETE ON COMPLETE RAL WILL BE F ON COMPLETE	D: REQUIRED P D: NO PARTS RI REMOVED FROM D: 3-M CAPABIL	ARTS NOT DRA EQUIRED A CSMP ITY UTILIZED	AWN FROM SUPPLY	2. 3.	MANDATORY ESSENTIAL HIGHLY DESIRABLE DESIRABLE
DISCREPANCY	DESCR	IPTION:	PER S	EMAT UNDER	WATER	HULL AS	SESSME	NT: FWD	EDUCTO	R ROOM 5-51-0-Q	*	
SHELL AND BH	ID INSUL	.ATION	IS SATI	JRATED HIDIN	G CORF	ROSION						
RECOMMENDE	D RFPA	IRS: SE	IIPS FO	RCE REMOVE	ALL INS	SUI ATION	FROM S	HELL AND	BUI KHE	ADS REMOVE SCAL	F PRIM	/IF AND
										T RECOMMENDED		11271112
SSPORT C221	POC: A	DAVIS	(757-39	96-4001 EXT213	30) TPC	OC:						
CSMP SUMMAI	DV. CAT	IIDATEI	ווופווו	ATION / CORE	NOISO					TEST#		
CSWF SUMMA	KI. SAI	UNATE	וטטוו ע	LATION / CORN	COSION					MRC 1102/1		
ROOT CAUSE/A	AMPLIFI	CATION	l:							STEP#		
H1										1 THRU 5		
SYSTEM LEVEL	L IMPAC	T:										
PART NO.	-			NOMENCLAT	URE			QTY	NSN			COST
1												
2												
3									Ī			
4												
5									Ī			
6									1			
FIRST CONTAC SAVAG		LT/	RATE CHENC			TACT NGINEER		RATE	P	HONE		
ASSESSOR / AI F. LAROCK J.			SYSTEM	IS INC (757) 49	D	TL	LOGI	STICIAN		TSP		

USS MCINERNEY (FFG-8) FORWARD EDUCTOR ROOM (5-51-0-Q)



DETERIORATED 10X 4 STRINGER NO.2 PORTSIDE



DETERIORATED 10X 4 STRINGER NO.2 STARBOARD SIDE.

USS MCINERNEY (FFG-8) FORWARD EDUCTOR ROOM (5-51-0-Q)



CORROSION ON STRINGER NO. 3 PORTSIDE. THE HULL INSULATION IS TRAPPING WATER AND CAUSING CORROSION. REMOVAL OF INSULATION IN THE ENTIRE SPACE IS HIGHLY RECOMMENDED.

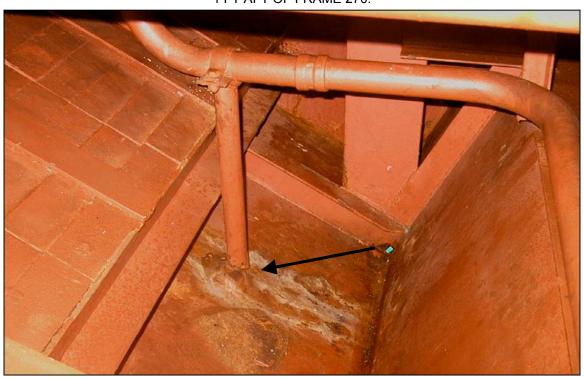
								_					
ITEM NUMBER									l	JSS MCINERNEY	(FFG	i-8)	
SYSTEM SHELL & SUPPO	RTING S	STRUCTUR		11011	E	EIC A	100			APL	RII	N 79 TJT	
EQUIPMENT NAME			-	IDENT/SERIAL			LOCAT		WOR	RK CENTER	JS	JSN	
HULL STRUCTUF	RE				N/A			5-250-0-E		EM01		P096	
EQUIPMENT STATUS			PROBLEM	STATUS					CATEGORY				
1. SAT - SATISFACTO 2. UNSAT - UNSATISFAC 3. TNA - TEST NOT A 4. TNC - TEST NOT C	CTORY TTEMPTED OMPLETED	ADD	2. A 3. T 4.S	C - CORRECTED A - AWAITING PARTS T - AWAITING TECH ASS - SHIP'S FORCE		2. Z - E0	ERSONNEL SAFE QUIPMENT SAFE IARDWARE						
5. NOB - EQUIPMENT		HEN TO BE	Ul	STATUS	CIVIS	CAUSE				DEFERRAL REASON			
TYPEAVAILABILITY		CCOMPLISHE	D				ORMAL ENVIRON	MENT			IAL DRIODIS	F) (
1. DEPOT 2. IMA 3. TECH ASSIST		TO NEXT UN	DERWAY	OPERATIONAL NON-OPERATION REDUCED CAPAE	2. MANFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN					S.F BACKLOG/OPERATIONAL PRIORITY LACK OF MATERIAL NO FORMAL TRAINING ON THIS EQUIPMENT FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT INADEQUATE SCHOOL PRACTICAL TRAINING			
4. SHIP'S FORCE 5. SFWL	4. DURING POST DEPLOYMENT AVAILABILITY 1						MAL WEAR AND T APPLICABLE	FEAR 7	6. LACK OF FACILITIES/CAP/ 7. NOT AUTHORIZED FOR S/ 8. FOR S/F OVERHAUL OR A' LIST 9. LACK OF TECHNICAL DOC	F ACCOMPL VAILABILITY	/ WORK		
										0. OTHER OR NOT APPLICAE	BLE	6	
MAN HRS EXPENDED		MAN HRS F	REMAINING		COMPLE	ETED ACTIO	N TAKEN		S/F I	MANHOURS	PR	RIORITY	
10			10	0									
SAFETY HAZARD: 1. SERIOUS - CORRECT 2. SERIOUS - SUSPENS 3. SERIOUS - WAIVER C 4. SAFETY ITEM - MINO 5. COMBUSTIBLE MATE	ION OF EQU FEQUIPME R	JIPMENT/SYS	TEM/SPACE	REQUIRED	2. MAINT 3. MAINT 4. CANC 7. MAINT	ΓΕΝΑΝCE AC ΓΕΝΑΝCE AC ELLED - DEF ΓΕΝΑΝCE AC	CTION COMPLETI CTION COMPLETI FERRAL WILL BE CTION COMPLETI	ED: PARTS DRAW ED: REQUIRED PA ED: NO PARTS RE REMOVED FROM ED: 3-M CAPABILI' N REMARKS/DES	IRTS NOT DR. QUIRED CSMP TY UTILIZED	AWN FROM SUPPLY	2. 3.	MANDATORY ESSENTIAL HIGHLY DESIRABLE DESIRABLE	
		SIPTION:	DER SE	MAT LINDER						0-0-E PORT SIDE WEB OF STRINGER 7			
(1 ST STRINGER											OTIVII	VOLIT /	
(1 STRINGER	I KOW	WARGIN	I FLATE,	13 DETERIOR	AILDA	AI VVLLL	J SLAW II	TALLOLL	RAIVIL Z	0.			
RECOMMENDE	D REP	AIRS: CR	ROP OUT	Γ AND REPLAC	E APPI	ROX 2LF	WEB USI	NG .375 OS	. PRIME	AND PAINT TO MAT	CH		
SSPORT C221	POC: A	A.DAVIS	(757-39	6-4001 EXT) T	POC:								
CSMP SUMMA				7 IS DETERIO	RATED)				TEST# MRC 1102/1			
ROOT CAUSE/	AMPLIF	ICATION	l:							STEP#			
H1										1 THRU 5			
SYSTEM LEVE	L IMPA	CT:											
PART NO.				NOMENCLAT	URE			QTY	NSN			COST	
1	-									<u> </u>			
2													
									 				
3									1		<u> </u>		
4													
5													
6	-					-							
FIRST CONTAC		I T/	RATE CHENG	SECON		TACT NGINEE	:R	RATE	FE PHONE				
ASSESSOR / A			J L. 110		JIXI L				LOGI	LOGISTICIAN			
F. LAROCK J.			SYSTEM	S INC (757) 49	0-5047					-		-	

ITEM NUMBER						Ī	1	ISS MCINERNEY	/EEC	0)		
SYSTEM			1 1	ESWBS	ΙE	IC		APL		133 MCHNERINET	(FFG-	0)
SHELL & SUPPO	RTING S	STRUCTUE		11011		A100						79TJT
EQUIPMENT NAME HULL STRUCTUR	E			IDENT/SERIAL	N/A		LOCATIO	ы 5-250-0-Е	WOF	EM01	JSN	P097
EQUIPMENT STATUS			PROBLEM	STATUS					CATEGORY			EOC
SAT - SATISFACTO UNSAT - UNSATISFACTO TEST NOT AT TNO - TEST NOT AT TNO - TEST NOT CO NOB - EQUIPMENT NOT CO	TORY TEMPTED OMPLETED		2. / 3. 1 4.S	C - CORRECTED A - AWAITING PARTS T - AWAITING TECH ASS I - SHIP'S FORCE NCORRECTED PROBLE		1. S - PERSON 2. Z - EQUIPME 3. H – HARDW	NT SAFETY			4. D - DOWN 5. L - LIMITED		
TYPEAVAILABILITY	W	VHEN TO BE		STATUS	WIO	CAUSE				DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 4	DEPOT 1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 2. NON-OF 2. NON-OF 3. REDUC 3. REDUC 4. DURING POST DEPLOYMENT AVAILABILITY 4 3 1. OPERA 2. NON-OF 3. REDUC 0. NOT AP					1. ABNORMAL 2. MANFACTUI 3. LACK OF KN 4. COMMUNIC, 5. INADEQUAT 7. NORMAL WE 0. NOT APPLIC	RER/INSTAL IOWLEDGE ATION PROI E INSTRUC E DESIGN AR AND TE	LATION DEFECT BLEMS TION/PROCEDI		1. SIF BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING ON THIS EQUIPMENT 5. INDEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR SIF ACCOMPLISHMENT 8. FOR SIF OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED	0	COMPLE	TED ACTION TAKE	N		S/F I	MANHOURS	PRIC	ORITY			
10 SAFETY HAZARD: 1. SERIOUS - CORRECT 2. SERIOUS - SUSPENSI 3. SERIOUS - WAVER 0 4. SAFETY ITEM - MINOF 5. COMBUSTIBLE MATER DISCREPANCY BHD 250 AND F	ON OF EQUIPMER RIAL	JIPMENT/SYS ENT/SYSTEM RIPTION:	PER SE	REQUIRED	2. MAINTI 3. MAINTI 4. CANCE 7. MAINTI 0. NONE	ENANCE ACTION OF THE ABOVE, DE THE ABOVE, DE HULL ASSE	COMPLETED COMPLETED WILL BE R COMPLETED ESCRIBE IN	D: REQUIRED P. D: NO PARTS RIEMOVED FROM D: 3-M CAPABIL REMARKS/DES NT: MER	ARTS NOT DRA EQUIRED I CSMP ITY UTILIZED SCRIPTION SEC 5-250-0-E	AWN FROM SUPPLY	2. E: 3. H D 4. D	ANDATORY SSENTIAL IGHLY ESIRABLE ESIRABLE
										LEVEL TO APPROX		
RECOMMENDE		N, PRIIVIE	AND PA	AINT USING EU	RO NA	VY COATING	o. APP	(OX 120 S	QFIREP	LACENENT OF INSU	LATION	15 NO1
RECOMMENDE	.D.											
SSPORT C221	POC: A	A.DAVIS	(757-39	6-4001 EXT 21:	30) TPC	DC:						
CSMP SUMMAR	RY: WE	T INSUL	ATION A	ND CORROSIO	N POR	RT & STBD.				TEST# MRC 1102/1		
ROOT CAUSE/A	MPLIF	ICATION	:							STEP#		
H1 SYSTEM LEVEL	IMDA	СТ								1 THRU 5		
3131EW LEVEL	- IIVIF A	61.										
PART NO.				NOMENCLAT	JRE			QTY	NSN			COST
1												
2												
3												
4												
5												
6												
FIRST CONTAC SAVAG		LT/	RATE CHENG	SECONI F		ACT NGINEER		RATE	P	HONE		
ASSESSOR / AC F. LAROCK J. I			SYSTEM	S INC (757) 490)-5047	TD		TL	LOGI	STICIAN		TSP

USS MCINERNEY (FFG-8) MAIN ENGINE ROOM (5-250-0-E)



DETERIORATED WEB OF 1 $^{\rm ST}$ STRINGER FROM MARGIN PLATE APPROXIMATELY 1 FT AFT OF FRAME 270.

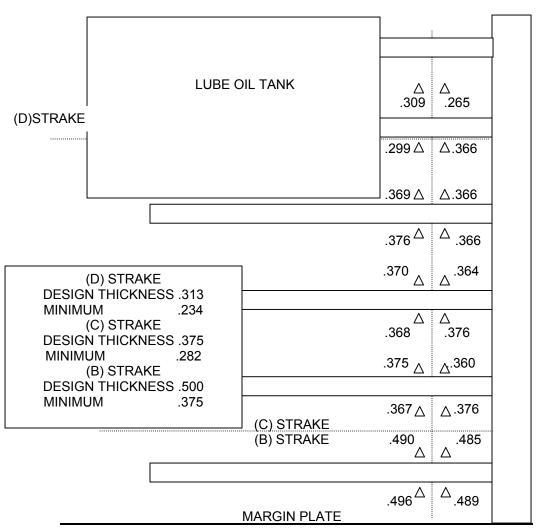


CORROSION ON SHELL PLATE FORWARD OF FRAME 264. ARROW INDICATES DETERIORATED PIPE HANGER SUPPORT.

USS MCINERNEY (FFG-8) MAIN ENGINE ROOM (5-250-0-E)



PORT SIDE SHELL BETWEEN LUBE OIL TANK AND FRAME 270. HULL INSULATION IS CREATING AND HIDING CORROSION.



USS MCINERNEY (FFG-8) MAIN ENGINE ROOM (5-250-0-E)



CORROSION ON THE SHELL AFT OF FRAME 270 STARBOARD. HULL INSULATION IS HIDING AND CREATING CORROSION.

ВН	250 FRAM			FRAME	258		FRAM	E 264		FRAM	E 270	270 FRAME 27		
								∆ .301	∆ .293	∆ .298	INSULATION			
	INSULATION				INSU	LATION		\bigcirc		\bigcirc				
								△ .293	△ .297	.295				
	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ
	.310	.311	.310	.312	.314	.310	.308	.305	.296	.304	. 293	.291	.314	.303
	.302	.302	.308	.312	.308	.300	.311	.310	.306	.310	.289	.290	.312	.314
	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ
	(D) STR	RAKE												
	(C) STRAKE													
	(C) STRAKE													

(D) STRAKE SHELL DESIGN THICKNESS .313 MINIMUM .234

USS MCINERNEY (FFG-8)
MAIN ENGINE ROOM (5-250-0-E)
STARBOARD SIDE

F. LAROCK U/T LEVEL 2 J. LAROCK U/T LEVEL 2 QED SYTEMS INC 9/14/02

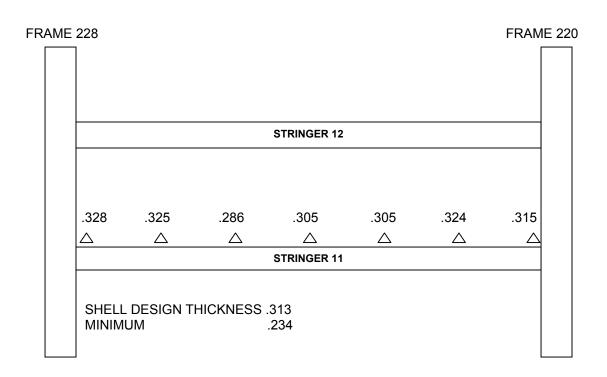
ITEM NUMBER										USS MCINERNEY (FFG-8)				
SYSTEM			I	ESWBS	I	EIC			APL		JOS MICHNERINE	T (FFG		
SHELL & SUPPO EQUIPMENT NAME	RTING	STRUCTU	RE	11011		F	100	LOCATI	ON	L wo	RK CENTER	JSN	79 TJD	
HULL STRUCTUR	RE			IDEN I/SERIAL	N/A				5-212-0-E	WO	EM03	Jan	P071	
EQUIPMENT STATUS			PROBLE	M STATUS						CATEGORY	1		EOC	
1. SAT - SATISFACTO 2. UNSAT - UNSATISFAC 3. TNA - TEST NOT AT 4. TNC - TEST NOT CO 5. NOB - EQUIPMENT I	TORY TTEMPTED OMPLETED	D	2. 3. 4.	C - CORRECTED A - AWAITING PARTS T - AWAITING TECH ASS S - SHIP'S FORCE INCORRECTED PROBLE		2. Z - E		NEL SAFE INT SAFET ARE			4. D - DOWN 5. L - LIMITED		.7	
TYPEAVAILABILITY	1	WHEN TO BE		STATUS		CAUS	E				DEFERRAL REASON		1	
ACCOMPLISHED 1. OPERATIONAL 1. OPERATIONAL 2. IMA 2. PRIOR TO NEXT UNDERWAY 3. REDUCED CAPA 4. SHIP'S FORCE 4. DURING POST DEPLOYMENT 4. DURING POST DEPLOYMENT 4. DURING POST DEPLOYMENT 4. DURING POST DEPLOYMENT 5. SFWL 4 4 4 4 4 4 4 4 4						2. MAN 3. LAC 4. CON 5. INAI 6. INAI 7.NOR	NFACTUR K OF KN MMUNICA DEQUATI DEQUATI	OWLEDGE ATION PRO E INSTRUCE DESIGN AR AND TI	LLATION DEFE E OBLEMS CTION/PROCED	2. LACK OF MATERIAL 3. NO FORMAL TRAINING C 4. FORMAL TRAINING INAD EQUIPMENT 5. INADEQUATE SCHOOL P 6. LACK OF FACILITIES/CAF 7. NOT AUTHORIZED FOR S 8. FOR S/F OVERHAUL OR. LIST 9. LACK OF TECHNICAL DC	3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST			
MAN HRS EXPENDED	<u> </u>	COMP	LETED ACTION	ON TAKE	N		S/F	0. OTHER OR NOT APPLICAMANHOURS		ORITY				
RECOMMENDE	ON OF ECFE EQUIPMENT ELECTRICATION OF ECFE EQUIPMENT ELECTRICATION (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1 (250) \$1	RIPTION: 5X4 STIFF PAIRS: CL A.DAVIS	PER SEENER JT OUT (757-3:	EMAT UNDERN PORT SIDE IS D AND REPLACE	2. MAI 3. MAI 4. CAA 7. MAI 0. NO! WATE ETER	NTENANCE A NTENANCE A NOELLED - DE NTENANCE A RE HULL RIORATE LOWER	CTION C CTION C CTION C FERRAL CTION C BOVE, DE ASSE D	OMPLETE OMPLETE WILL BE IF OMPLETE SCRIBE II	D: NO PARTS R REMOVED FROI D: 3-M CAPABIL N REMARKS/DE NT: AMR	PARTS NOT DRIEGUIRED IN CSMP ITY UTILIZED SCRIPTION SE 2 5-212-0	AWN FROM SUPPLY	2. E 3. H 4. D	IANDATORY SSENTIAL IIGHLY JESIRABLE JESIRABLE 3 RD	
H1 SYSTEM LEVEL	_ IMPA	CT:									1 THRU 5			
PART NO.	NOMENCLAT	URE				QTY	NSN			COST				
1														
2												<u> </u>		
3										_				
4														
5														
6														
FIRST CONTAC SAVAG		 I T/	RATE CHEN			ONTACT RATE T ENGINEER				PHONE				
ASSESSOR / AC F. LAROCK J.	CT / TE	ECH ID#		•			TD		TL	LOGI	STICIAN		TSP	

ITEM NUMBER										U	ISS MCINERNEY	(FFG	-8)
SYSTEM SHELL & SUPPO	RTING S	STRUCTUR		ESWBS 11011	E	EIC A	100	Α	PL			RIN	79 TJD
EQUIPMENT NAME				IDENT/SERIAL			LOCA			WOR	K CENTER JSN		
HULL STRUCTUR	RE				N/A			5-2	12-0-E		EM03		P072
EQUIPMENT STATUS			PROBLEM	M STATUS					C	ATEGORY			EOC
1. SAT - SATISFACTO 2. UNSAT - UNSATISFAC 3. TNA - TEST NOT A 4. TNC - TEST NOT C 5. NOB - EQUIPMENT	TORY TTEMPTED OMPLETED	ADD	2. <i>i</i> 3. · 4.S	C - CORRECTED A - AWAITING PARTS T - AWAITING TECH ASS S - SHIP'S FORCE NCORRECTED PROBLE		2. Z - EC	RSONNEL SAF QUIPMENT SAFE ARDWARE			4. D - DOWN 5. L - LIMITED			
5. NOB - EQUIPMENT		HEN TO BE	- UI	STATUS	CIVIS	CAUSE					DEFERRAL REASON		
TYPEAVAILABILITY		CCOMPLISHE	D										.,
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	2. IMA 2. PRIOR TO NEXT UNDERWAY 2. NON-OPERA 3. TECH ASSIST 3. PRIOR TO NEXT DEPLOYMENT 4. SHIP'S FORCE 5. SFWL 4. DURING POST DEPLOYMENT AVAILABILITY 2. NON-OPERA 0. NOT APPLIC						RMAL ENVIRON ACTURER/INON OF KNOWLEDO MUNICATION PF EQUATE INSTRI EQUATE DESIGI AL WEAR AND APPLICABLE	TALLAT GE ROBLEI UCTIOI N	TION DEFECTS MS		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMEN 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST		
											9. LACK OF TECHNICAL DOCUM		on 6
MAN HRS EXPENDED	<u> </u>	MAN HRS F	REMAINING	<u> </u>	COMPLE	ETED ACTION	TAKEN			S/F N	0. OTHER OR NOT APPLICABLE IANHOURS		IORITY
2			60	0									
SAFETY HAZARD: 1. SERIOUS - CORRECT 2. SERIOUS - SUSPENS 3. SERIOUS - WAIVER C 4. SAFETY ITEM - MINO 5. COMBUSTIBLE MATE DISCREPANCY	2. MAINT 3. MAINT 4. CANC 7. MAINT 0. NONE	TENANCE AC TENANCE AC ELLED - DEFI TENANCE AC OF THE ABC	TION COMPLET ERRAL WILL BE TION COMPLET IVE, DESCRIBE	TED: RETED: NOTED: NOTED: 3-IN RET	EQUIRED PART D PARTS REQU DVED FROM CS M CAPABILITY I MARKS/DESCRI	S NOT DRA IIRED SMP UTILIZED IPTION SEC	AWN FROM SUPPLY	2. E 3. H E 4. E	MANDATORY ESSENTIAL HIGHLY DESIRABLE DESIRABLE STBD				
IS DETERIORA	TFD FV	VD OF FF	RAME 22	20 (7X 6 ¾) T									
.0 5212110101		0											
RECOMMENDE	D REP	AIRS: CU	JT OUT A	AND REPLACE	APPRO	OX. 30" (of Flang	E U	SING .375	OS PR	RIME AND PAINT.		
SSPORT C221	POC: A	A.DAVIS	(757-39	6-4001 EXT 21	30) TP	OC:							
CSMP SUMMA	RY: FLA	NGE OF	STRING	GER 6 STBD IS	HOLE	D				TEST# MRC 1102/1			
ROOT CAUSE/	AMPLIF	ICATION	l:								STEP#		
H1											1 THRU 5		
SYSTEM LEVE	LIMPA	CT:											
PART NO.				NOMENCLAT	URE			Q	ΓY	NSN			COST
1							<u>-</u>						
								t					
2									<u> </u>				
3								<u> </u>					
4													
5													
6								Ī	i			i	
FIRST CONTAC		1.7/	RATE	SECON		TACT NGINEE	Ъ	RA	ATE	Pl	HONE	1_	
	SAVAGE LT/ CHENG POR' ASSESSOR / ACT / TECH ID#							+	1	100	STICIAN	ı	TCD
F. LAROCK J.			SYSTEM	IS INC (757) 490	0-5047		TD	TL	-	LUGI	STICIAN		TSP

ITEM NUMBER								Γ		SHIP		
CVCTEM				CMDC	1 -	10		ADI		USS MCINERNEY	(FFG	,
SHELL & SUPPO	RTING S	TRUCTUF		11011	-	A100		APL				79 TJD
EQUIPMENT NAME HULL STRUCTUR	RE.			IDENT/SERIAL	N/A		LOCATIO	on 5-212-0-E	ORK CENTER EM03	JSI	P073	
EQUIPMENT STATUS PROBLEM STATUS							· ·	JEILUL	CATEGO			EOC
1. SAT - SATISFACTO 2. UNSAT - UNSATISFAC 3. TNA - TEST NOT AT 4. TNC - TEST NOT CO 5. NOB - EQUIPMENT	C - CORRECTED A - AWAITING PARTS T - AWAITING TECH AS - SHIP'S FORCE NCORRECTED PROBLE		1. S - PERSON 2. Z - EQUIPM 3. H – HARDW	ENT SAFET	4. D - DOWN 5. L - LIMITED							
	W	HEN TO BE		STATUS	INIO	CAUSE				DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 4	ACCOMPLISHED 1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 3			OPERATIONAL NON-OPERATION REDUCED CAPAI NOT APPLICABLE	BILITY	 LACK OF KN COMMUNIC 	RER/INSTA NOWLEDGE ATION PRO TE INSTRUC TE DESIGN EAR AND TE	LLATION DEFECT BBLEMS CTION/PROCEDU		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION		
MAN HRS EXPENDED		MAN HRS F		<u> </u>	COMPLE	TED ACTION TAKE	EN		S	0. OTHER OR NOT APPLICAB /F MANHOURS		ORITY
SAFETY HAZARD: 1. SERIOUS - CORRECT 2. SERIOUS - SUSPENSI 3. SERIOUS - WAIVER O 4. SAFETY ITEM - MINOO 5. COMBUSTIBLE MATE DISCREPANCY BETWEEN BHD CORROSION O RECOMMENDE REPLACEMENT . SSPORT C221	4 120 SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 4. SAFETY TEM- MINOR 5. COMBUSTIBLE MATERIAL DISCREPANCY DESCRIPTION: PER SEMAT UNDERWATER HULL ASSESSMENT: AMR 2 (5-212-0-E) PORT AND STBD SHELL BETWEEN BHD 212 AND FRAME 228, FROM STRINGER S 11 TO 13. HULL INSULATION IS SATURATED CAUSING CORROSION ON THE SHELL. RECOMMENDED REPAIRS: SHIPS FORCE REMOVE HULL INSULATION, POWER CLEAN AREA TO BARE METAL, PRIME AND PAINT. REPLACEMENT OF INSULATION IS NOT RECOMMENDED. APPROX 120 SQFT TOTAL PORT& STBD. SSPORT C221 POC: A.DAVIS (757-396-4001 EXT) TPOC: CSMP SUMMARY: SATURATED INSULATION CORROSION PORT& STBD TEST#											
ROOT CAUSE/A	AMPI IF	CATION						MRC 1102/1				
H1							1 THRU 5					
SYSTEM LEVEL	- IMPAC	T:			-		•		•			
									NSN			COST
1									1			
2												
3												
4												
5												
6												
FIRST CONTAC SAVAG		LT/	RATE CHENG	SECON		TACT NGINEER		RATE	PHONE			
ASSESSOR / AG F. LAROCK J.			SYSTEM	S INC (757) 49	0-5047	TD		TL	LO	GISTICIAN		TSP



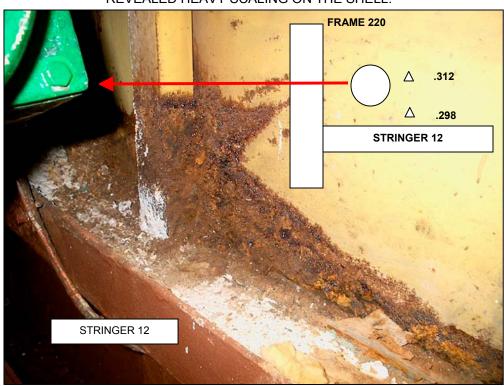
PORT SIDE FORWARD OF FRAME 228



F. LAROCK U/T LEVEL 2 J. LAROCK U/T LEVEL 2 QED SYSTEMS INC. 9/14/02

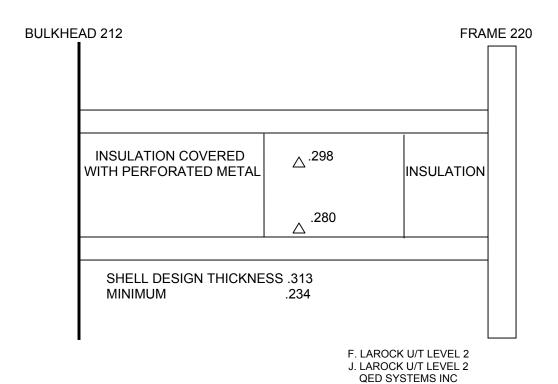


PORT SIDE OUTBOARD OF NO.1 HPAC. REMOVAL OF THE HULL INSULATION REVEALED HEAVY SCALING ON THE SHELL.





STARBOARD SIDE UPPER LEVEL BETWEEN FRAMES 212 AND 220 REMOVAL OF HULL INSULATION REVEALED SURFACE SCALING.



9/14/02



DETERIORATED FLANGE OF STRINGER 6 APPROXIMATELY 1FT FORWARD OF FRAME 220.



DETERIORATED FLANGE OF BULKHEAD STIFFENER NO.3 PORT SIDE LOOKING AFT AT BULKHEAD 250.

ITEM NUMBER											SHIP			
OVOTEM				- OWDO				LABI		US	S MCINERNE			
SHELL & SUPPO	RTING S	TRUCTU		ESWBS 11011		EIC A	100	APL				RII	79 THQ	
EQUIPMENT NAME HULL STRUCTUR	?F			IDENT/SERIAL	N/A		LOCAT	юн 5-180	-0-E	WORK	EM02	JS	N P229	
EQUIPMENT STATUS PROBLEM STATUS								3-100		TEGORY	LIVIOZ		EOC	
1. SAT - SATISFACTO 2. UNSAT - UNSATISFAC 3. TNA - TEST NOT A 4. TNC - TEST NOT C 5. NOB - EQUIPMENT	C - CORRECTED A - AWAITING PARTS T - AWAITING TECH AS: S - SHIP'S FORCE NCORRECTED PROBLE		2. Z - EQ	1. S - PERSONNEL SAFETY										
	W	HEN TO BE		STATUS	INIO	CAUSE				DEFERRAL REASON				
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMED 2. PRIOR 3. PRIOR DEPLOY!	TO NEXT UN TO NEXT MENT G POST DEPI	IDERWAY	OPERATIONAL NON-OPERATION REDUCED CAPAE NOT APPLICABLE	2. MANFACTURER/INSTALLATION DEFECTIONAL 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCED 6. INADEQUATE DESIGN					 NO FORMAL TRAINING ON THIS EQUIF FORMAL TRAINING INADEQUATE IN TI 			PMENT HIS RAINING JISHMENT WORK	
MAN HRS EXPENDED		MAN HRS I	REMAINING	0	COMPLE	ETED ACTION	TAKEN			S/F MA	NHOURS	PR	IORITY	
SAFETY HAZARD: 1. SERIOUS - CORRECT 2. SERIOUS - SUSPENS 3. SERIOUS - WAIVER 4. SAFETY ITEM - MINO 5. COMBUSTIBLE MATE DISCREPANCY IS HOLED AT B RECOMMENDE SURROUNDING .	2 100 SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM/SPACE REQUIRED 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL DISCREPANCY DESCRIPTION: PER SEMAT UNDERWATER HULL ASSESSMENT: AMR 1 5-180-0-E WEB OF STRINGER 6 PORT SIDE RECOMMENDED REPAIRS: CUT OUT AND REPLACE APPROX 1 SQFT OF WEB USING .375 OS. PRIME AND PAINT TO MATCH SURROUNDING AREA. SSPORT C221 POC: A.DAVIS (757-396-4001 EXT) TPOC:												ESSENTIAL HIGHLY DESIRABLE DESIRABLE DRT SIDE	
CSMP SUMMA	RY: POI	RT STRII	NGER 6	IS HOLED							TEST# MRC 1102/1			
ROOT CAUSE/A	AMPLIF	ICATION	l:				STEP# 1 THRU 5							
SYSTEM LEVE	LIMPA	CT:												
PART NO.				NOMENCLAT	URE			QTY		NSN	N CO			
1														
2												İ		
3														
4														
5														
6												 		
FIRST CONTAC			RATE	SECON				RAT	E	PHO	ONE			
SAVAG			CHENG	i F	PORTE	NGINEE				100:5			T00	
ASSESSOR / A F. LAROCK J.			SYSTEM	S INC (757) 49	0-5047		TD	TL		LOGIS	TICIAN		TSP	



DETERIORATED STRINGER NO. 6 AT BULKHEAD (180) PORT SIDE. U/T READINGS OF THE BULKHEAD REVEALED NO SIGNIFICANT METAL LOSS.



CLAD WELD REPAIRS ON BULKHEAD (180) PORT SIDE. ARROW INDICATES LOCATION OF STRINGER 6.

ITEM NUMBER								Ī	l	JSS MCINERNE	/ (FFG	-8)	
SYSTEM SHELL & SUPPO	RTING	STRUCTU		ESWBS 11011		EIC A100		APL		JOO MONTENATE	RIN		
EQUIPMENT NAME		01110010	I NE	IDENT/SERIAL		7,100	LOCAT	ION	WO	RK CENTER	ER JSN		
HULL STRUCTURE EQUIPMENT STATUS PROBLEM STATUS								4-48-1-Q	0475000	EM03		P074	
									CATEGOR			EOC	
1. SAT - SATISFACTORY 1. C - CORRECTED 2. UNSAT - UNSATISFACTORY 2. A - AWAITING PARTS 3. TNA - TEST NOT ATTEMPTED 3. T - AWAITING TECH AS: 4. TNC - TEST NOT COMPLETED 4.S - SHIP'S FORCE 5. NOB - SCUIPMENT NOT ONBOARD "UNCORRECTED PROBLE						1. S - PERSON 2. Z - EQUIPM 3. H - HARDW	ENT SAFE			4. D - DOWN 5. L - LIMITED			
TYPEAVAILABILITY		WHEN TO BE ACCOMPLISH		STATUS		CAUSE				DEFERRAL REASON			
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMME 2. PRIO 3. PRIO DEPLO 4. DURI AVAILA	DIATELY OR TO NEXT UN OR TO NEXT YMENT ING POST DEP	NDERWAY	OPERATIONAL NON-OPERATION REDUCED CAPAE O. NOT APPLICABLE	BILITY	 LACK OF KI COMMUNIC 	IRER/INSTA NOWLEDGI CATION PRO TE INSTRU TE DESIGN EAR AND T	ALLATION DEFE E OBLEMS CTION/PROCED		 NO FORMAL TRAINING ON THIS EQUIPMEN FORMAL TRAINING INADEQUATE IN THIS 			
MAN HRS EXPENDED		MAN HRS	REMAINING	<u> </u>	COMPL	ETED ACTION TAK	EN		S/F	MANHOURS		ORITY	
2 2 200 SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEMSPACE REQUIRED 3. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEMSPACE REQUIRED 4. SAFETY HEM - MINOR 5. COMBUSTIBLE MATERIAL DISCREPANCY DESCRIPTION: PER SEMAT UNDERWATER HULL ASSESSMENT: SONAR COOLING EQUIPMENT ROOM 4-48-1-Q CENTER AND AFT 2X3 INTERCOSTALS ARE DETERIORATED. HULL INSULATION IS SATURATED. RECOMMENDED REPAIRS: CUT OUT AND REPLACE BOTH INTERCOSTALS APPROX. 12 LFT. RECOMMEND REMOVAL OF HULL INSULATION, CLEAN PRIME AND PAINT USING AN ANTI SWEAT COATING. APPROX 64 SQFT. SSPORT C221 POC: A.DAVIS (757-396-4001 EXT 2130) TPOC:													
CSMP SUMMAI	RY: DE	ETERIOR	ATED IN	TERCOSTALS,	SATUI	RATED INSU	ILATIO	N		TEST# MRC 1102/1			
ROOT CAUSE/A	AMPLI	FICATION	N:				STEP#						
H1										1 THRU 5			
SYSTEM LEVE	L IMPA	ACT:											
PART NO.	-			NOMENCLAT	URE			QTY	NSN		COST		
1				,									
											+		
2													
3													
4													
5													
6													
FIRST CONTAC		LT/	RATE CHENG	SECON		TACT ENGINEER		RATE	F	HONE			
ASSESSOR / A			3		J B	TD		TL	LOG	ISTICIAN		TSP	
F. LAROCK J.			SYSTEM	S INC (757) 49	0-5047								

USS MCINERNEY (FFG-8) SONAR COOLING EQUIPMENT ROOM (4-48-1-Q)



STARBOARD SHELL. REMOVAL OF HULL INSULATION AND USE OF AN ANTI- SWEAT COATING IS HIGHLY RECOMMENDED. THIS AREA IS A CLASS WIDE PROBLEM.

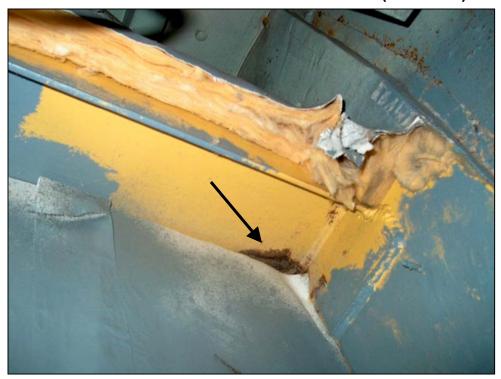


HOLED 3"X 2 "INTERCOSTAL APPROXIMATELY 2FEET FORWARD OF BULKHEAD (55).



HOLED 3"X 2 "INTERCOSTAL APPROXIMATELY 2FEET AFT OF BULKHEAD (48).

USS MCINERNEY (FFG-8) SONAR COOLING EQUIPMENT ROOM (4-48-1-Q)



HOLED 4^{TH} STRINGER FROM THE DECK AT BULKHEAD (55). THE NATURE OF THE EQUIPMENT AND THE HULL INSULATION CREATES THIS PROBLEM.



CORROSION ON THE DECK AT BULKHEAD (55). LOCATION OF THE DECK DRAIN IS THE MAIN CAUSE OF CORROSION.

BHD 48		_			BHD 56
		Δ .423	Δ .421	Δ .424	
		.457 △	.448 Δ	.433 Δ	
4X8	T-BEAM				

USS MCINERNEY (FFG-8) SONAR COOLINGEQUIPMENT ROOM (4-48-1-Q) F. LAROCK U/T LEVEL 2 J. LAROCK U/T LEVEL 2 QED SYSTEMS INC. 9/13/02

ITEM NUMBER									Ī	ı	JSS MCINERNE	V (FFG	_8)
SYSTEM	DTINO	OTDUOTU		ESWBS		EIC	400		APL	•	DOO WONLINE	RIN	
SHELL & SUPPO EQUIPMENT NAME	RIING	STRUCTU	KE	11011 IDENT/SERIAL		A	A100 LOCATION				RK CENTER	JSI	79 TD2
HULL STRUCTUR	E				N/A				3-84-0-E		EM03		P075
										CATEGOR			EOC
1. SAT - SATISFACTORY 1. C - CORRECTED 2. UNSAT - UNSATISFACTORY 2. A - AWAITING PARTS 3. TNA - TEST NOT ATTEMPTED 3. T - AWAITING TECH AS 4. TNC - TEST NOT COMPLETED 4.S - SHIP'S FORCE 5. NOB - SUDJORGECTED PROBLIC						2. Z - E		NEL SAFE NT SAFET NRE			4. D - DOWN 5. L - LIMITED		
TYPEAVAILABILITY	V	VHEN TO BE		STATUS		CAUSE					DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 4	1. IMMEI 2. PRIOF 3. PRIOF DEPLOY	DIATELY R TO NEXT UN R TO NEXT 'MENT NG POST DEPI	IDERWAY	1. OPERATIONAL 2. NON-OPERATION 3. REDUCED CAPAE 0. NOT APPLICABLE 1	ILITY	1. ABNORMAL ENVIRONMENT 2. MANFACTURER/INSTALLATION DEFEC 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDL 6. INADEQUATE DESIGN 7.NORMAL WEAR AND TEAR 0. NOT APPLICABLE 1					 NO FORMAL TRAINING ON THIS EQUII FORMAL TRAINING INADEQUATE IN T 		
MAN HRS EXPENDED		MAN HRS I	REMAINING 4(COMPL	LETED ACTIO	N TAKE	N		S/F	MANHOURS		ORITY
IS SATURATED	ON OF EQ F EQUIPMING RIAL DESC OUTB D REP POC: A	RIPTION: OARD OI AIRS: RE A.DAVIS	EMOVE I	EMAT UNDERNATION PORT SIDE	2. MAIN 3. MAIN 4. CAN 7. MAIN 0. NON WATE DE BTV	TENANCE AS TENANCE AS CELLED - DEI CELLED -	CTION C CTION C FERRAL CTION C OVE, DE ASSE	OMPLETE OMPLETE WILL BE F OMPLETE SCRIBE IN	D: NO PARTS F REMOVED FROI D: 3-M CAPABII N REMARKS/DE NT: A/C N APPROX	PARTS NOT DE REQUIRED M CSMP LITY UTILIZED SCRIPTION SE MACH RO	AWN FROM SUPPLY	2. E 3. F 4. E 4. E	MANDATORY SSENTIAL IIIGHLY JESIRABLE DESIRABLE TION
H1	AWIPLIF	·ICATION	l:				1 THRU 5						
SYSTEM LEVEL	IMPA	CT:									1 1111100		
PART NO.	-			NOMENCLAT	URE				QTY	NSN			COST
1	1												
2													
3													
4													
5													
6													
FIRST CONTAC SAVAG		LT/	RATE	SECON		ITACT ENGINE	ER		RATE	F	HONE	1_	
ASSESSOR / AC	CT / TE	CH ID#		•			TD		TL	LOG	STICIAN		TSP

USS MCINERNEY (FFG-8) A/C MACHINERY ROOM (3-84-0-E)



SATURATED HULL INSULATION OUTBOARD OF A/C PLANT.

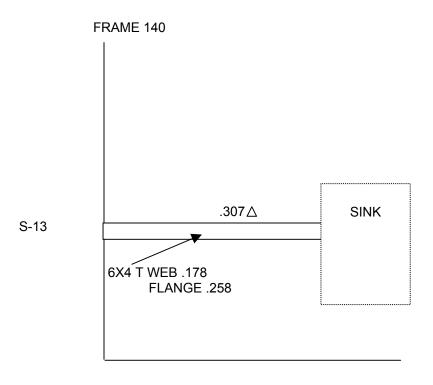
MATERIAL ASSESSMENT FORM

ITEM NUMBER								Ī		SHIP		
OVOTEN				- ON P.O.		-10		1 481		USS MCINERNEY		
SHELL & SUPPO	RTING S	TRUCTU		iswвs 11011	E	EIC A10		APL			RIN	79 TEH
EQUIPMENT NAME HULL STRUCTUR	RF.			IDENT/SERIAL	N/A		LOCATI	on 3-140-1-L		VORK CENTER EM02	JSI	N P230
EQUIPMENT STATUS	<u></u>		PROBLEM	STATUS	14// (1		0 140 1 2	CATEGO			EOC
1. SAT - SATISFACTO 2. UNSAT - UNSATISFAC 3. TNA - TEST NOT A 4. TNC - TEST NOT C 5. NOB - EQUIPMENT	TORY TTEMPTED OMPLETED	100	2. / 3. 1 4.S	C - CORRECTED A - AWAITING PARTS T - AWAITING TECH ASS - SHIP'S FORCE NCORRECTED PROBLE			SONNEL SAFET PMENT SAFET DWARE			4. D - DOWN 5. L - LIMITED		
	W	HEN TO BE		STATUS	IVIS	CAUSE				DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 2	1. IMMED 2. PRIOR 3. PRIOR DEPLOY!	TO NEXT UN TO NEXT MENT G POST DEPI	IDERWAY	OPERATIONAL NON-OPERATION REDUCED CAPAE NOT APPLICABLE	BILITY	2. MANFAC 3. LACK OF 4. COMMU 5. INADEQ 6. INADEQ	F KNOWLEDGE NICATION PRO UATE INSTRUG UATE DESIGN WEAR AND TE	LLATION DEFE B BLEMS CTION/PROCEE		S/F BACKLOG/OPERATION LACK OF MATERIAL NO FORMAL TRAINING INADE EQUIPMENT SINADEQUATE SCHOOL PR LACK OF FACILITIES/CAP, NOT AUTHORIZED FOR S/S FOR S/F OVERHAUL OR A' LIST LACK OF TECHNICAL DOC	I THIS EQUIF QUATE IN TO ACTICAL TR ABILITIES F ACCOMPL VAILABILITY	PMENT HIS RAINING ISHMENT WORK
MAN HRS EXPENDED		MAN HRS I	REMAINING		COMPLE	TED ACTION T	AKEN		S	/F MANHOURS		IORITY
SHELL INSULA	ION OF EQUIPME R RIAL DESCF TION IS D REP PPROX	RIPTION: DETERIOR AIRS: RE 30 SQF1	: PER SB IORATE	EMAT UNDERVED AND WATER NSULATION FROM CATE STAINLE	2. MAINT 3. MAINT 4. CANCI 7. MAINT 0. NONE SOAKE	TENANCE ACTIC DEFER TENANCE ACTIC OF THE ABOVE HULL AS TRINGER TRINGER	DN COMPLETE NA COMPLETE RAL WILL BE F DN COMPLETE E, DESCRIBE IN SESSME	D: REQUIRED I D: NO PARTS F ERMOVED FRO D: 3-M CAPABI N REMARKS/DE NT: CLEA	PARTS NOT REQUIRED MM CSMP ILITY UTILIZE ESCRIPTION ANING G	DRAWN FROM SUPPLY DESECTION EAR LOCKER 4-140-1-	2. E 3. h 4. E	MANDATORY SSENTIAL HIGHLY JESIRABLE JESIRABLE
CSMP SUMMA				RATED						TEST# MRC 1102/1		
ROOT CAUSE/A	AMPLIF	ICATION	l:							STEP# 1 THRU 5		
SYSTEM LEVE	L IMPA	CT:								1 1111100		
D. D. T. () -				NO AET : ST								200=
PART NO.				NOMENCLAT	URĒ			QTY	NSN			COST
1							<u> </u>					
3							<u> </u>					
5												
6												
FIRST CONTAC SAVAG		1.7/	RATE CHENG	SECON		TACT NGINEER		RATE		PHONE		
ASSESSOR / A F. LAROCK J.	CT / TE	CH ID#					TD .	TL	LO	GISTICIAN		TSP

USS MCINERNEY (FFG-8) CLEANING GEAR LOCKER (3-140-1-L)



WET INSULATION AND CORROSION ON SHELL AT STRINGER 13 OUTBOARD OF SINK.



SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3RD DECK					
3-20-0-Q	N	N	Y		SPACE REQUIRES GAS FREE
3-32-2-A	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-32-1-K	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-36-1-A	Y	Y	Y		
3-36-2-T	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-40-2-A	Y	Y	Y		
3-46-1-A	Y	Y	Υ		
3-48-2-A	Y	Y	Υ		
3-53-2-A	Y	Y	Y		
3-56-0-A	Y	Y	Y		
3-64-2-V	NOT DURING SHIP CHECK	N	Υ		SPACE REQUIRES GAS FREE
3-64-1-V	NOT DURING SHIP CHECK	N	Y		SPACE REQUIRES GAS FREE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3RD DECK					
3-84-0-E	Y	Y	Y	FRS 94-100 STBD SIDE SHELL, DECK TO OVERHEAD	ACCESSIBLE HIDDEN LAGGED 100% (100% OF PORT SIDE SHELL ASSESSABLE)
				FR 95, PORT SIDE, ON TANK TOP	ACCESSIBLE HIDDEN LAGGED 100% (NOT ACCESSIBLE AREA - STBD FWD BHD 84 TO FRAME 93, 5'-6" OFF DECK ELECT PANELS)
3-93-1-Q	Y	Y	Y		ACCESSIBLE LAGGING 100% STBD SIDE
3-100-0-L	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (NOT ACCESSIBLE AREA PORT AND STBD FROM FRAME 115 TO AFT BHD 140, 6' 3" OFF DECK - BUNKS)
3-100-1-L	Y	Y	Y		LAGGING 100% AND SS 50% (SS INSTALLED 49" OFF DECK, FRAME 100 TO 113)
3-113-0-L	Y	Y	Y	FR 113-124, STBD SIDE OF SHELL, DECK TO OVERHEAD	LAGGING 100% AND SS 50% (SS INSTALLED 49" OFF DECK, FRAME 113 TO 123)
3-140-2-L	Y	Y	Y		LAGGING 100% AND SS 50% (SS INSTALLED 49" OFF DECK, FRAME 140 TO 155)

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3RD DECK					
3-140-1-L	Y	Y	Y		LAGGING 100% AND SS 50% (SS INSTALLED 49" OFF DECK, FRAMES 140 TO 155)
3-144-0-L	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (NOT ACCESSIBLE AREA, PORT & STBD FRAME 165 TO 180, 6'3" OFF DECK BUNKS)
3-156-2-Q	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF PORT SIDE SHELL ASSESSABLE)
3-154-1-Q	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-180-2-C	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-180-5-A	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-196-2-A	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-236-1-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-236-2-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-240-1-F	Y	N	Y		SPACE REQUIRES GAS FREE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3RD DECK					
3-240-2-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-272-2-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-272-1-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-278-1-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-278-2-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-286-2-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-286-1-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-292-8-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-316-1-J	Y	N	Y		SPACE REQUIRES GAS FREE
3-322-1-J	Y	N	Y		SPACE REQUIRES GAS FREE
3-328-0-A	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
4TH DECK					
4-H-0-V	Y	N	Y		SPACE REQUIRES GAS FREE
4-20-0-W	Y	N	Y		SPACE REQUIRES GAS FREE
4-27-0-V	N	N	Y		SPACE REQUIRES GAS FREE FR 27 FR 32 P/S FROM 3' UP 26' 4 1/16
4-32-0-Q	Y	N	Y		
4-48-2-L	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
4-48-1-Q	Y	Y	Y	FR 49-55 STBD SIDE OF SHELL, 4'-0' OFF DECK	ACCESSIBLE HIDDEN LAGGED 100% (NOT ACCESSIBLE AREA FRAME 50 TO AFT BHD 56, 4'-0' OFF DECK)
4-56-2-A	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
4-56-0-M	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
4TH DECK					
4-64-0-Q	Y	N	Y		
4-100-0-Е	Y	Y	Y	FR 100-101 STBD SIDE OF SHELL 6'BELOW GRATING	ACCESSIBLE HIDDEN LAGGED 100% (100% OF PORT & STBD SHELL ASSESSABLE)
4-100-0-Q	Y	Y	Y		STAINLESS STEEL 100% (100% OF PORT SIDE SHELL ASSESSABLE)
4-140-3-A	Y	N	Y		ACCESSIBLE HIDDEN LAGGED 100%(100% OF SHELL ASSESSABLE)
4-152-1-A	Y	N	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
4-160-0-Q	Y	N	Y		100% OF PORT AND STBD SHELL ASSESSABLE
4-172-1-E	Y	Y	Y	FR 174-180 STBD OF SHELL 6" BELOW GRATING BETWEEN L7-L9	100% OF PORT & STBD SHELL ASSESSABLE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-FF-0-V	N	N	N		INACCESSIBLE VOID FR 18 - FR 32, P/S. FROM STEM UP 4FT. FR 5 - FR 18, P/S. FROM STEM UP ~6FT; FR E -12, P/S. FROM STEM UP ~10FT
5-32-0-W	N	N	Y		SPACE REQUIRES GAS FREE
5-51-0-Q	Y	N	Y		100% OF PORT & STBD SHELL ASSESSABLE
5-56-0-F	N	N	Y		SPACE REQUIRES GAS FREE
5-64-0-F	N	N	Y		SPACE REQUIRES GAS FREE
5-84-2-F	N	N	N		SPACE REQUIRES GAS FREE
5-84-1-F	N	N	N		SPACE REQUIRES GAS FREE
5-100-2-W	N	N	N		SPACE REQUIRES GAS FREE
5-100-1-W	N	N	N		SPACE REQUIRES GAS FREE
5-100-4-F	N	N	Y		SPACE REQUIRES GAS FREE
5-100-3-F	N	N	Y		SPACE REQUIRES GAS FREE
5-116-2-F	N	N	Y		SPACE REQUIRES GAS FREE
5-116-1-F	N	N	Y		SPACE REQUIRES GAS FREE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
51/2-116-0-V	N	N	N		INACCESSIBLE VOID FR 116 - FR 132, P/S FROM KEEL UP ~4FT
5-132-0-F	N	N	N		SPACE REQUIRES GAS FREE
5-137-1-T	N	N	N		SPACE REQUIRES GAS FREE
5-140-2-F	N	N	N		SPACE REQUIRES GAS FREE
5-140-1-F	N	N	N		SPACE REQUIRES GAS FREE
5-164-0-F	N	N	N		SPACE REQUIRES GAS FREE
5-164-2-F	N	N	N		SPACE REQUIRES GAS FREE
5-164-1-F	N	N	N		SPACE REQUIRES GAS FREE
5-170-0-F	N	N	N		SPACE REQUIRES GAS FREE
5-180-0-E	Y	Y	Y	FRAME 180, PORT 15'-0" OFF CL, 8' SQFT	SHELL NON-ASSESSABLE ON PORT SIDE FRAME 180 TO 195, FRAME 204 TO 212, OVERHEAD TO BILGE, TANK & FND
5-180-01-E	Y	Y	Y		100% OF STBD SHELL ASSESSABLE
5-192-2-F	N	N	Y		SPACE REQUIRES GAS FREE
5-201-1-F	N	N	Y		SPACE REQUIRES GAS FREE
5-201-3-F	N	N	Y		SPACE REQUIRES GAS FREE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-204-2-F	N	N	N		SPACE REQUIRES GAS FREE
5-204-1-F	N	N	N		SPACE REQUIRES GAS FREE
5-212-0-E(UL)	Y	Y	Y	FRS 215-220 PORT SIDE OF SHELL, U/L BETWEEN L13- L14	ACCESSIBLE HIDDEN LAGGED UPPER LEVEL. (NOT ACCESSIBLE AREA, PORT SIDE FRAME 220 TO 224, 5'-0" OFF U/L GRATING VOLTAGE REGULATOR)
5-212-0-E(LL)	Y				ASSESSABLE HIDDEN, LAGGED LOWER LEVEL, ACCESSIBLE AREA PORT FRAME 212 TO 228, L10 TO BILGE AREA, STBD FRAME 212 TO 228 L8 TO BILGE AREA. (NOT ACCESSIBLE AREA - PORT & STBD FRAME 228 TO 250, FROM U/L TO BILGE AREA FUEL OIL HEATER)
5-220-2-W	N	N	N		SPACE REQUIRES GAS FREE
5-222-1-F	N	N	N		SPACE REQUIRES GAS FREE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-226-2-E	Y	Y	Y		SHELL NON-ASSESSABLE FRAME 225 TO 229, 4'-2" OFF U/L GRATING, FRAME 235 TO 250, 6'-3" OFF U/L GRATING - AIR FLASK, MANIFOLD & FUEL TANK
5-226-1-E	Y	Y	Y		SHELL NON-ASSESSABLE FRAME 225 TO 229, 4'-2" OFF U/L GRATING, FRAME 235 TO 250, 6'-3" OFF U/L GRATING, AIR FLASK, MANIFOLD & FUEL TANK
5-250-0-E	Y	Y	Y	SIDE OF SHELL	LAGGED EXCEPT FOR BILGE AREA, AT 18" ABOVE GRATING INTO BILGE AREA, (SHELL NON-ASSESSABLE ON PORT 1'-0" AFT OF FRAME 270 TO FRAME 292, FROM 5'-0" OFF GRATING, STBD FRAME 265 TO 270 FROM 1'-0" FROM OVERHEAD TO 6" BELOW GRATING, 14" AFT OF FRAME 270 TO 273, 5'-0" OFF GRATING POWER PANELS)

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-250-0-E (CONT'D)	Y	Y	Y	FR 250 PORT SIDE OF SHELL, BETWEEN L9- L12	
5-250-O-E (CONT'D)	Y	Y	Y	FR 258-264 STBD SIDE OF SHELL, BETWEEN L9-L12	
5-250-1-F	N	N	N		SPACE REQUIRES GAS FREE
5-250-2-F	N	N	N		SPACE REQUIRES GAS FREE
5-270-0-F	N	N	N		SPACE REQUIRES GAS FREE
5-276-0-F	N	N	N		SPACE REQUIRES GAS FREE
5-290-2-F	N	N	N		SPACE REQUIRES GAS FREE
5-292-0-E	Y	Y	Y	L9	ACCESSIBLE HIDDEN LAGGED, ASSESSABLE AREA PORT FRAME 292 TO 318, DK GRATING TO OVERHEAD (SHELL NON-ASSESSABLE ON PORT FRAME 318 TO 328, 2'-0" FROM GRATING TO OVERHEAD OF SPACE, STBD FRAME 292 TO 300, 3'-0" OFF GRATING

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-292-0-E (CONT'D)	Y	Y	Y	FR 316-328 PORT SIDE OF SHELL BETWEEN L5-L9	TO OVERHEAD, FRAME 305 TO 308, 3'-0" OFF GRATING TO OVERHEAD, FRAME 313 TO 328,6'-3" OFF GRATING & POWER PANELS
5-292-0-E (CONT'D)			Y	FR 292-328 PORT SIDE OF SHELL BETWEEN L1-L3	
5-292-1-W	N	N	N		SPACE REQUIRES GAS FREE
5-292-2-W	N	N	N		SPACE REQUIRES GAS FREE
5-292-3-W	N	N	N		SPACE REQUIRES GAS FREE
5-308-2-W	N	N	N		SPACE REQUIRES GAS FREE
5-308-1-W	N	N	N		SPACE REQUIRES GAS FREE
5-328-0-J	N	N	N		SPACE REQUIRES GAS FREE
5-328-2-W	N	N	N		SPACE REQUIRES GAS FREE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-328-1-W	N	N	N		SPACE REQUIRES GAS FREE
5-344-0-J	N	N	N		SPACE REQUIRES GAS FREE
5-368-0-V	N	N	N		SPACE REQUIRES GAS FREE
5-386-0-V	N	N	N		INACCESSIBLE VOID FRAME 386 TO 392, P/S, FROM KEEL UP ~2FT; FRAME 392 TO 400, S, FROM KEEL UP ~2FT; FRAME 400 TO 408 P/S FROM KEEL UP ~2FT
5-392-0-V	N	N	N		SPACE REQUIRES GAS FREE
5-368-0-E	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
5-376-1-A	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)